

1 IDENTIFICATION

Trade name: VP-30

Application of the substance: Inspection penetrant "Type 2 Methods "A & C" per AMS-2644/ ASTM E-1417.

Manufacturer: Met-L-Chek Company

1639 Euclid Street

Santa Monica, California, 90404, U.S.A.

Phone: 1-310-450-1111

Fax: 1-310-452-4046

E-mail: info@met-l-chek.com

http://www.met-l-chek.com

Information in case of emergency: Chemtrec 1-800-424-9300

2 HAZARDOUS IDENTIFICATION

Hazard description: Eye & skin irritant.

NEPA rating

Health 1 1

Flammability 2 4

Reactivity 0 0

WHMIS (Canada) B3,D2B A, B5,D2B

EC 1907/2006



Xn Harmful

Information concerning particular hazards for human and environment:

R65: Harmful: may cause lung damage if swallowed or vomited.

3 COMPOSITION

Ingredients:

Aliphatic petroleum distillate

CAS #

64742-88-7

% by Weight (in bulk)

50-70

% by Weight (in aerosol)

25-35

Secondary alcohol ethoxylates

84133-50-6

10-20

5-10

aerosol only:

Propellant(mixed isopropane & butane)

674-98-6 & 106-97-8

40-60

4 FIRST AID

Inhalation: Supply fresh air; consult doctor in case of complaints.

Skin contact: Wash exposed area with soap and water. Apply moisturizing lotion. If irritation persists, consult doctor.

Eye contact: Rinse opened eye for several minutes under running water. If irritation persists, consult a doctor.

Swallowing: Do not induce vomiting. Small amounts are not expected to cause significant harm, If nauseated call a doctor.

5 FIRE HAZARDS

Flash Point Bulk Material: > 62°C (> 144°F) TCC.

Autoignition Bulk Material: 319°C (600°F)

Suitable extinguishing agents: Foam, dry powder, carbon dioxide (CO₂), water fog.

For safety reasons unsuitable extinguishing agents: Water stream, water spray may be used to keep containers cool.

Special combustion hazards: Carbon monoxide and carbon dioxide.

Special protective equipment for fire-fighters: Wear self-contained respiratory protective device.

Special hazards: Keep containers cool, heated aerosols pose explosion hazard.

6 ACCIDENTAL RELEASE

Spill: Ventilate area. Remove all sources of ignition. Wear protective gear. Collect liquid in an appropriate container or absorb with an inert material such as vermiculite, dry sand, or earth; **DO NOT** use combustible materials. Place in a chemical waste container. Treat as non-hazardous oily waste.

DO NOT flush to storm sewer or open body of water.

7 HANDLING and STORAGE

Handling: Avoid breathing spray mist. Avoid repeated or prolonged skin contact. Avoid eye contact.. Protect containers against physical damage.

Storage: Store in a cool, dry well-ventilated location, away from areas where fire hazard or ignition sources may exist. Store and use in NO SMOKING area. Keep containers closed when not in use. Protect from freezing.

8 EXPOSURE CONTROL

Eye Protection: Chemical splash goggles, safety glasses are advised.

Skin Protection: Wear resistant gloves such as Nitrile Rubber, impervious clothing and boots are suggested as well.

Exposure Limits: ACGIH TLV-TWA (8hrs) 10 mg/m³ as oil mist.

Ventilation System: A system of local or general exhaust is recommended to limit employee exposure. If ventilation is limited use organic vapor respirator.





PENETRANT PROFESSOR APPROVED

MATERIAL SAFETY DATA SHEET

VP-30

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9 PHYSICAL PROPERTIES

Viscosity: 2.5 mm/s² @ 37.7°C(100°F).

Specific Gravity: 0.862 @ 21.1°C(70°F)

Appearance: red liquid.

Solubility in Water: Negligible.

Vapor Pressure : < 0.13 mm Hg @ 20°C

Specific Vapor Density Air=1: heavier than air.

Evaporation Rate: not established

VOC's : 438 g/L

10 STABILITY and REACTIVITY

Thermal decomposition: Stable under ordinary conditions of use and storage.

Hazardous Polymerization: No dangerous reactions known.

Incompatibilities: Avoid contact with strong oxidizing agents.

11 TOXICOLOGICAL INFORMATION

Acute toxicity: Contains no known or suspected carcinogens.

LD/LC50 values relevant for classification:

Oral LD50 5000 mg/kg (rat)

Dermal LD50 3000 mg/kg (rabbit)

Inhalation LC50/4 h >5500 ppm (rat)

12 ECOLOGICAL INFORMATION

Aquatic toxicity: Marine pollutant. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Surfactants comply with biodegradability criteria in regulation (EC) # 648/2004 on detergents, and passing OECD 301F test.

13 DISPOSAL

Recommendation: Dispose of container and unused contents with a licensed waste facility. Empty containers may contain residue and vapors. Must not be disposed together with household garbage. Do not pour into sewage or storm drain system. Puncture (wear face shield) and drain aerosols. Collect all waste in suitable and labelled containers and dispose according to local legislation as a non hazardous oily waste.

14 TRANSPORTATION

USA DOT Information- 49CFR172.101

Shipping name:

Label:

Hazard class:

Identification #:

Packing Group:

Non-Bulk

stain

none

none

none

none

Aerosol

Consumer commodity

ORM-D

ORM-D

none

none

Maritime transport IMDG:

· IMDG Class: 9

· UN Number: 3082

· Label 9

· Packaging group: III

· EMS Number: F-A,S-F

· Marine pollutant: Yes

· Proper shipping name: ENVIRONMENTALLY
HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Secondary
alcohol ethoxylates (2))



IATA

Shipping name:

Label:

Hazard class:

Identification #:

Packing Group:

Non-Bulk

not regulated

none

none

none

none

Aerosol

Aerosols, flammable

Flammable gas

2.1

UN1950

na



15 REGULATORY INFORMATION

TSCA: Listed

CERCLA RQ- 49CFR302.4(a): None listed

SARA 302 Components-40CFR355 appendix A: None

Section 311/312 Hazard Class-40CFR370.2: Immediate (X), Delayed (X), Fire (X), Reactive (), Sudden release of pressure ()

SARA 313 components-40CFR372.65: None.

California Proposition 65- Not known to contain listed materials.

16 OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

Supersede MSDS dated 4/27/07

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